Author Index

Abidor, I.G., Barbul, A.I., Zhelev, D.V., Doinov, P., Bandrina, I.N., Osipova, E.M. and Sukharev, S.I.
Electrical properties of cell pellets and cell electrofusion in a centrifuge (1152) 207

Addison, R.
The initial association of a truncated form of the *Neurospora* plasma membrane H^+-ATPase and of the precursor of yeast invertase with microsomes are distinct processes (1152) 119

Allan, D., see Whatmore, J. (1152) 300

Anagnostopoulos, T., see Bégault, B. (1152) 319

Antonenko, Y.N., see Pohl, P. (1152) 155

Bagai, S. and Sarkar, D.P.
Reconstituted Sendai virus envelopes as biological carriers: dual role of F protein in binding and fusion with liver cells (1152) 15

Bai, G. and Kusiak, J.W.
Cloning and analysis of the 5′ flanking sequence of the rat *N*-methyl-D-aspartate receptor 1 (NMDAR1) gene (1152) 197

Balkov, D.I., see Gulaya, N.M. (1152) 280

Bandrina, I.N., see Abidor, I.G. (1152) 207

Barbieri, D.H.G.P., see Gomes, L.F. (1152) 78

Barbul, A.I., see Abidor, I.G. (1152) 207

Bégault, B., Anagnostopoulos, T. and Edelman, A.
ATP-regulated chloride conductance in endoplasmic reticulum (ER)-enriched pig pancreas microsomes (1152) 319

Bessoule, J.-J., see Schneider, F. (1152) 243

Bettey, M. and Smith, J.A.C.
Dicarboxylate transport at the vacuolar membrane of the CAM plant *Kalanchoë daigremontiana*: sensitivity to protein-modifying and sulphydryl reagents (1152) 270

Bittar, E.E. and Huang, Y.-P.
Concerning stimulation by injected fluoroaluminate of the sodium efflux in barnacle muscle fibers (1152) 307

Boman, N.L., Mayer, L.D. and Cullis, P.R.
Optimization of the retention properties of vincristine in liposomal systems (1152) 253

Borst-Pauwels, G.W.F.H.
Kinetical parameters of monovalent cation uptake in yeast calculated on accounting for the mutual interaction of cation uptake and membrane potential (1152) 201

Brunauer, L.S. and Huestis, W.H.
Effects of exogenous phospholipids on platelet activation (1152) 109

Burnette, R.R., see Hsu, S.-F. (1152) 189

Buxton, K.D., see Griffin, S.D.J. (1152) 61

Capurro, D.E., see Dormer, R.L. (1152) 225

Carrasco, M.A., Sierralta, J. and Hidalgo, C.
Phospholipase C activity in membranes and a soluble fraction isolated from frog skeletal muscle (1152) 44

Cassagne, C., see Schneider, F. (1152) 243

Chaimovich, H., see Gomes, L.F. (1152) 78

Cingolani, H.E., see Gende, O.A. (1152) 219

Cuccovia, I.M., see Gomes, L.F. (1152) 78

Cullis, P.R., see Boman, N.L. (1152) 253

Cullum, M.E., see Salyers, K.L. (1152) 328

Degovics, G., see Lohner, K. (1152) 69

Dho, S. and Foskett, J.K.
Optical imaging of Cl^- permeabilities in normal and CFTR-expressing mouse L cells (1152) 83

Doinov, P., see Abidor, I.G. (1152) 207

Donaldson, I.A., see Griffin, S.D.J. (1152) 61

Dormer, R.L., Capurro, D.E., Morris, R. and Webb, R.
Demonstration of two isoforms of the SERCA-2b type Ca^{2+},Mg^{2+}-ATPase in pancreatic endoplasmic reticulum (1152) 225

Edelman, A., see Bégault, B. (1152) 319

Epand, R.F., see Epand, R.M. (1152) 128

Epand, R.M., Epand, R.F., Richardson, C.D. and Yeagle, P.L.
Structural requirements for the inhibition of membrane fusion by carbobenzoxy-D-Phe-Phe-Gly (1152) 128

Foskett, J.K., see Dho, S. (1152) 83

Gende, O.A. and Cingolani, H.E.
Comparison between sodium–hydrogen ion and lithium–hydrogen ion exchange in human platelets (1152) 219

Gnamusch, E., see Lohner, K. (1152) 69

Gomes, L.F., Cuccovia, I.M., Chaimovich, H., Barbieri, D.H.G.P. and Politi, M.J.
Permeation of superoxide anion through the bilayer of vesicles of a synthetic amphiphile (1152) 78

Griffin, S.D.J., Buxton, K.D. and Donaldson, I.A.
The α-D-glucosyl C-2 hydroxyl is required for binding to the H^+-sucrose transporter in phloem (1152) 61

Gulaya, N.M., Melnik, A.A., Balkov, D.I., Volkov, G.L., Vysotskiy, M.V. and Vaskovsky, V.E.
The effect of long-chain *N*-acylethanolamines on some membrane-associated functions of neuroblastoma C1300 N18 cells (1152) 280

Hakki, S., Robertson, D.C. and Waldman, S.A.
A 56 kDa binding protein for *Escherichia coli* heat-stable enterotoxin isolated from the cytoskeleton of rat intestinal membranes does not possess guanylate cyclase activity (1152) 1

Hartsel, S.C., see Lambing, H.E. (1152) 185

Hauser, H., see Lerebours, B. (1152) 49

Hemminga, M.A., see Ottaviani, M.F. (1152) 171

Henderson, G.B. and Hughes, T.R.
Altered expression of unidirectional extrusion routes for methotrexate and cholate in an efflux variant of L1210 cells (1152) 91

Hidalgo, C., see Carrasco, M.A. (1152) 44

Hohmann, J., Kowalewski, H., Vogel, M. and Zimmermann, H.
Isolation of a Ca^{2+} or Mg^{2+}-activated ATPase (ecto-ATPase) from bovine brain synaptic membranes (1152) 146

Hsu, S.-F. and Burnette, R.R.
The effect of amphotericin B on the K-channel activity of MDCK cells (1152) 189

Huang, Y.-P., see Bittar, E.E. (1152) 307

Hudson, M.J.H., see Jones, M.N. (1152) 231

Huestis, W.H., see Brunauer, L.S. (1152) 109

Author Index

Abidor, I.G., Barbul, A.I., Zhelev, D.V., Doinov, P., Bandrina, I.N., Osipova, E.M. and Sukharev, S.I.
Electrical properties of cell pellets and cell electrofusion in a centrifuge (1152) 207

Addison, R.
The initial association of a truncated form of the *Neurospora* plasma membrane H^+-ATPase and of the precursor of yeast invertase with microsomes are distinct processes (1152) 119

Allan, D., see Whatmore, J. (1152) 300

Anagnostopoulos, T., see Bégault, B. (1152) 319

Antonenko, Y.N., see Pohl, P. (1152) 155

Bagai, S. and Sarkar, D.P.
Reconstituted Sendai virus envelopes as biological carriers: dual role of F protein in binding and fusion with liver cells (1152) 15

Bai, G. and Kusiak, J.W.
Cloning and analysis of the 5′ flanking sequence of the rat *N*-methyl-D-aspartate receptor 1 (NMDAR1) gene (1152) 197

Balkov, D.I., see Gulaya, N.M. (1152) 280

Bandrina, I.N., see Abidor, I.G. (1152) 207

Barbieri, D.H.G.P., see Gomes, L.F. (1152) 78

Barbul, A.I., see Abidor, I.G. (1152) 207

Bégault, B., Anagnostopoulos, T. and Edelman, A.
ATP-regulated chloride conductance in endoplasmic reticulum (ER)-enriched pig pancreas microsomes (1152) 319

Bessoule, J.-J., see Schneider, F. (1152) 243

Bettey, M. and Smith, J.A.C.
Dicarboxylate transport at the vacuolar membrane of the CAM plant *Kalanchoë daigremontiana*: sensitivity to protein-modifying and sulphydryl reagents (1152) 270

Bittar, E.E. and Huang, Y.-P.
Concerning stimulation by injected fluoroaluminate of the sodium efflux in barnacle muscle fibers (1152) 307

Boman, N.L., Mayer, L.D. and Cullis, P.R.
Optimization of the retention properties of vincristine in liposomal systems (1152) 253

Borst-Pauwels, G.W.F.H.
Kinetical parameters of monovalent cation uptake in yeast calculated on accounting for the mutual interaction of cation uptake and membrane potential (1152) 201

Brunauer, L.S. and Huestis, W.H.
Effects of exogenous phospholipids on platelet activation (1152) 109

Burnette, R.R., see Hsu, S.-F. (1152) 189

Buxton, K.D., see Griffin, S.D.J. (1152) 61

Capurro, D.E., see Dormer, R.L. (1152) 225

Carrasco, M.A., Sierralta, J. and Hidalgo, C.
Phospholipase C activity in membranes and a soluble fraction isolated from frog skeletal muscle (1152) 44

Cassagne, C., see Schneider, F. (1152) 243

Chaimovich, H., see Gomes, L.F. (1152) 78

Cingolani, H.E., see Gende, O.A. (1152) 219

Cuccovia, I.M., see Gomes, L.F. (1152) 78

Cullis, P.R., see Boman, N.L. (1152) 253

Cullum, M.E., see Salyers, K.L. (1152) 328

Degovics, G., see Lohner, K. (1152) 69

Dho, S. and Foskett, J.K.
Optical imaging of Cl^- permeabilities in normal and CFTR-expressing mouse L cells (1152) 83

Doinov, P., see Abidor, I.G. (1152) 207

Donaldson, I.A., see Griffin, S.D.J. (1152) 61

Dormer, R.L., Capurro, D.E., Morris, R. and Webb, R.
Demonstration of two isoforms of the SERCA-2b type Ca^{2+},Mg^{2+}-ATPase in pancreatic endoplasmic reticulum (1152) 225

Edelman, A., see Bégault, B. (1152) 319

Epand, R.F., see Epand, R.M. (1152) 128

Epand, R.M., Epand, R.F., Richardson, C.D. and Yeagle, P.L.
Structural requirements for the inhibition of membrane fusion by carbobenzoxy-D-Phe-Phe-Gly (1152) 128

Foskett, J.K., see Dho, S. (1152) 83

Gende, O.A. and Cingolani, H.E.
Comparison between sodium–hydrogen ion and lithium–hydrogen ion exchange in human platelets (1152) 219

Gnamusch, E., see Lohner, K. (1152) 69

Gomes, L.F., Cuccovia, I.M., Chaimovich, H., Barbieri, D.H.G.P. and Politi, M.J.
Permeation of superoxide anion through the bilayer of vesicles of a synthetic amphiphile (1152) 78

Griffin, S.D.J., Buxton, K.D. and Donaldson, I.A.
The α-D-glucosyl C-2 hydroxyl is required for binding to the H^+-sucrose transporter in phloem (1152) 61

Gulaya, N.M., Melnik, A.A., Balkov, D.I., Volkov, G.L., Vysotskiy, M.V. and Vaskovsky, V.E.
The effect of long-chain *N*-acylethanolamines on some membrane-associated functions of neuroblastoma C1300 N18 cells (1152) 280

Hakki, S., Robertson, D.C. and Waldman, S.A.
A 56 kDa binding protein for *Escherichia coli* heat-stable enterotoxin isolated from the cytoskeleton of rat intestinal membranes does not possess guanylate cyclase activity (1152) 1

Hartsel, S.C., see Lambing, H.E. (1152) 185

Hauser, H., see Lerebours, B. (1152) 49

Hemminga, M.A., see Ottaviani, M.F. (1152) 171

Henderson, G.B. and Hughes, T.R.
Altered expression of unidirectional extrusion routes for methotrexate and cholate in an efflux variant of L1210 cells (1152) 91

Hidalgo, C., see Carrasco, M.A. (1152) 44

Hohmann, J., Kowalewski, H., Vogel, M. and Zimmermann, H.
Isolation of a Ca^{2+} or Mg^{2+}-activated ATPase (ecto-ATPase) from bovine brain synaptic membranes (1152) 146

Hsu, S.-F. and Burnette, R.R.
The effect of amphotericin B on the K-channel activity of MDCK cells (1152) 189

Huang, Y.-P., see Bittar, E.E. (1152) 307

Hudson, M.J.H., see Jones, M.N. (1152) 231

Huestis, W.H., see Brunauer, L.S. (1152) 109

Hughes, T.R., see Henderson, G.B. (1152) 91
Huinink, H., see Ottaviani, M.F. (1152) 171
Husted, C., see Montez, B. (1152) 314

Ipsen, J.H., see Jørgensen, K. (1152) 135
Iseki, K., Sugawara, M., Saitoh, N. and Miyazaki, K.
The transport mechanisms of organic cations and their zwitterionic derivatives across rat intestinal brush-border membrane. II. Comparison of the membrane potential effect on the uptake by membrane vesicles (1152) 9
Ishiguro, R., see Murata, M. (1152) 99

Jasińska, R., Zborowski, J. and Somerharju, P.
Intramitochondrial distribution and transport of phosphatidylserine and its decarboxylation product, phosphatidylethanolamine. Application of pyrene-labeled species (1152) 161
Jones, M.N. and Hudson, M.J.H.
The targeting of immunoliposomes to tumour cells (A431) and the effects of encapsulated methotrexate (1152) 231
Jørgensen, K., Sperotto, M.M., Mouritsen, O.G., Ipsen, J.H. and Zuckermann, M.J.
Phase equilibria and local structure in binary lipid bilayers (1152) 135
Juguelin, H., see Schneider, F. (1152) 243

Kagiwada, S., see Murata, M. (1152) 99
Kaji, D.M.
$Na^+/K^+/2Cl^-$ cotransport in medullary thick ascending limb cells: kinetics and bumetanide binding (1152) 289
Kamida, M., see Shinohara, Y. (1152) 192
Knoll, W., see Mittler-Neher, S. (1152) 259
Kowalewski, H., see Hohmann, J. (1152) 146
Kusiak, J.W., see Bai, G. (1152) 197

Laggner, P., see Lohner, K. (1152) 69
Lambing, H.E., Wolf, B.D. and Hartsel, S.C.
Temperature effects on the aggregation state and activity of Amphotericin B (1152) 185
Lerebours, B., Wehrli, E. and Hauser, H.
Thermodynamic stability and osmotic sensitivity of small unilamellar phosphatidylcholine vesicles (1152) 49
Lessire, R., see Schneider, F. (1152) 243
Lohner, K., Degovics, G., Laggner, P., Gnamusch, E. and Paltauf, F.
Squalene promotes the formation of non-bilayer structures in phospholipid model membranes (1152) 69

Mayer, L.D., see Boman, N.L. (1152) 253
Melnik, A.A., see Gulaya, N.M. (1152) 280
Michelangeli, F., see Sayers, L.G. (1152) 177
Mittler-Neher, S. and Knoll, W.
Ca^{2+}-induced lateral phase separation in black lipid membranes and its coupling to the ion translocation by gramicidin (1152) 259
Miyazaki, K., see Iseki, K. (1152) 9
Montez, B., Oldfield, E., Urbina, J.A., Pekerar, S., Husted, C. and Patterson, J.
Editing ^{13}C-NMR spectra of membranes (1152) 314
Morris, R., see Dormer, R.L. (1152) 225
Mouritsen, O.G., see Jørgensen, K. (1152) 135
Murata, M., Shirai, Y., Ishiguro, R., Kagiwada, S., Tahara, Y., Ohnishi, S.-i. and Takahashi, S.
Fusion of dioleoylphosphatidylcholine vesicles induced by an amphiphilic cationic peptide and oligophosphates at neutral pH (1152) 99

Ohnishi, S.-i., see Murata, M. (1152) 99
Oldfield, E., see Montez, B. (1152) 314
Osipova, E.M., see Abidor, I.G. (1152) 207
Ottaviani, M.F., Huinink, H., Sanders, J.C. and Hemminga, M.A.
The macroscopic organization of reconstituted M13 coat protein-phospholipid systems. An EPR spectroscopy and polarizing microscope study (1152) 171

Paltauf, F., see Lohner, K. (1152) 69
Patterson, J., see Montez, B. (1152) 314
Pekerar, S., see Montez, B. (1152) 314
Peters, P.H.J., see Visser, G.J. (1152) 26
Pohl, P., Antonenko, Y.N. and Rosenfeld, E.
Effect of ultrasound on the pH profiles in the unstirred layers near planar bilayer lipid membranes measured by microelectrodes (1152) 155
Politi, M.J., see Gomes, L.F. (1152) 78
Popescu, D.
Association probabilities between the single-chain amphiphiles into a binary mixture in plan monolayers (II) (1152) 35

Quinn, P., see Whatmore, J. (1152) 300

Richardson, C.D., see Epand, R.M. (1152) 128
Robertson, D.C., see Hakki, S. (1152) 1
Rosenfeld, E., see Pohl, P. (1152) 155

Saitoh, N., see Iseki, K. (1152) 9
Salyers, K.L., Cullum, M.E. and Zile, M.H.
Glucuronidation of all-*trans*-retinoic acid in liposomal membranes (1152) 328
Sanders, J.C., see Ottaviani, M.F. (1152) 171
Sarkar, D.P., see Bagai, S. (1152) 15
Sayers, L.G. and Michelangeli, F.
The effects of tetrahexyl ammonium cations (THA^+) on inositol 1,4,5-trisphosphate-induced calcium release from porcine cerebellar microsomes: THA^+ can induce calcium release selectively from the $Ins P_3$-sensitive calcium stores (1152) 177
Schneider, F., Lessire, R., Bessoule, J.-J., Juguelin, H. and Cassagne, C.
Effect of cerulenin on the synthesis of very-long-chain fatty acids in microsomes from leek seedlings (1152) 243
Shinohara, Y., Kamida, M., Yamazaki, N. and Terada, H.
Isolation and characterization of cDNA clones and a genomic clone encoding rat mitochondrial adenine nucleotide translocator (1152) 192
Shirai, Y., see Murata, M. (1152) 99
Sierralta, J., see Carrasco, M.A. (1152) 44
Smith, J.A.C., see Bettey, M. (1152) 270
Somerharju, P., see Jasińska, R. (1152) 161
Sperotto, M.M., see Jørgensen, K. (1152) 135
Sugawara, M., see Iseki, K. (1152) 9
Sukharev, S.I., see Abidor, I.G. (1152) 207

Tahara, Y., see Murata, M. (1152) 99
Takahashi, S., see Murata, M. (1152) 99
Terada, H., see Shinohara, Y. (1152) 192
Theuvenet, A.P.R., see Visser, G.J. (1152) 26

Urbina, J.A., see Montez, B. (1152) 314

Vaskovsky, V.E., see Gulaya, N.M. (1152) 280
Visser, G.J., Peters, P.H.J. and Theuvenet, A.P.R.
Cadmium ion is a non-competitive inhibitor of red cell Ca^{2+}-ATPase activity (1152) 26
Vogel, M., see Hohmann, J. (1152) 146
Volkov, G.L., see Gulaya, N.M. (1152) 280
Vysotskiy, M.V., see Gulaya, N.M. (1152) 280

Waldman, S.A., see Hakki, S. (1152) 1
Webb, R., see Dormer, R.L. (1152) 225
Wehrli, E., see Lerebours, B. (1152) 49
Whatmore, J., Quinn, P. and Allan, D.
Plasma membrane vesicles from BHK and HL60 cells treated with merocyanine 540 and iodoacetamide (1152) 300
Wolf, B.D., see Lambing, H.E. (1152) 185

Yamazaki, N., see Shinohara, Y. (1152) 192
Yeagle, P.L., see Epand, R.M. (1152) 128

Zborowski, J., see Jasińska, R. (1152) 161
Zhelev, D.V., see Abidor, I.G. (1152) 207
Zile, M.H., see Salyers, K.L. (1152) 328
Zimmermann, H., see Hohmann, J. (1152) 146
Zuckermann, M.J., see Jørgensen, K. (1152) 135